

[illegible]


```
0001 0 MODULE CVTNAF ( %TITLE 'Convert Network Proxy File'
0002 0      MAIN = MAIN,
0003 0      IDENT = 'V04-000'
0004 0      ) =
0005 1 BEGIN
0006 1
0007 1 |
0008 1 |*****
0009 1 |*
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0027 1 |*
0028 1 |*
0029 1 |*****
0030 1 |
0031 1 |
0032 1 |++
0033 1 |FACILITY:      Convert User Authorization File
0034 1 |
0035 1 |ABSTRACT:      Converts a Release 3 compatible NETNAF.DAT to Release 4 format.
0036 1 |                The new NETNAF.DAT offsets are assumed.  The old offsets have
0037 1 |                been renamed to ONF$etc...
0038 1 |
0039 1 |ENVIRONMENT:    Release 3 to Release 4 conversion procedures
0040 1 |
0041 1 |AUTHOR:         Chris Hume, CREATION DATE: 22-May-1979
0042 1 |
0043 1 |MODIFIED BY:
0044 1 |
0045 1 |                V03-002 ACG0385      Andrew C. Goldstein,      11-Jan-1984  21:34
0046 1 |                Move ONFDEF to LIB$
0047 1 |
0048 1 |                V03-001 ACG0385      Andrew C. Goldstein,      5-Jan-1984  19:43
0049 1 |                Crib from CVTUAF utility.
0050 1 |
0051 1 |--
0052 1 |
0053 1 |LIBRARY 'SYSS$LIBRARY:LIB';
0054 1 |REQUIRE 'LIB$:ONFDEF';
0055 1 |
0056 1 |MACRO
0057 1 |RETURN_IF_ERROR[] =
```

```
58 M 0101 1 BEGIN
59 M 0102 1 LOCAL RMSERR;
60 M 0103 1 (IF NOT (RMSERR = %REMAINING) THEN RETURN .RMSERR)
61 M 0104 1 END
62 M 0105 1 %;
63 M 0106 1
64 M 0107 1 LITERAL
65 M 0108 1 TRUE = 1;
66 M 0109 1
67 M 0110 1 MACRO
68 M 0111 1 COPY_PADDED (NAME) =
69 M 0112 1 COPY_PADDED1 (%EXPLODE (NAME))
70 M 0113 1 %,
71 M 0114 1
72 M 0115 1 COPY_PADDED1 (C1, C2, C3, C4, C5) =
73 M 0116 1 COPY_PADDED2 (%STRING ('ONF$$', %REMAINING),
74 M 0117 1 %STRING ('ONF$', C5, %REMAINING),
75 M 0118 1 %STRING ('NAF$$', %REMAINING),
76 M 0119 1 %STRING ('NAF$', C5, %REMAINING))
77 M 0120 1 %,
78 M 0121 1
79 M 0122 1 COPY_PADDED2 (OLENGTH, ONAME, NLENGTH, NNAME) =
80 M 0123 1 CH$COPY (%NAME (OLENGTH), ONFBUF[%NAME (ONAME)]),
81 M 0124 1 %NAME (NLENGTH), NAFBUF[%NAME (NNAME)])
82 M 0125 1 %,
83 M 0126 1
84 M 0127 1
85 M 0128 1 COPY_COUNTED (NAME) =
86 M 0129 1 COPY_COUNTED1 (%EXPLODE (NAME))
87 M 0130 1 %,
88 M 0131 1
89 M 0132 1 COPY_COUNTED1 (C1, C2, C3, C4, C5) =
90 M 0133 1 COPY_COUNTED2 (%STRING ('ONF$$', %REMAINING),
91 M 0134 1 %STRING ('ONF$', C5, %REMAINING),
92 M 0135 1 %STRING ('NAF$$', %REMAINING),
93 M 0136 1 %STRING ('NAF$', C5, %REMAINING))
94 M 0137 1 %,
95 M 0138 1
96 M 0139 1 COPY_COUNTED2 (OLENGTH, ONAME, NLENGTH, NNAME) =
97 M 0140 1 CH$COPY (%VECTOR [ONFBUF[%NAME (ONAME)], 0;, BYTE]+1, ONFBUF[%NAME (ONAME)]),
98 M 0141 1 %NAME (NLENGTH), NAFBUF[%NAME (NNAME)])
99 M 0142 1 %,
100 M 0143 1
101 M 0144 1 PADDED_TO_COUNTED (NAME) =
102 M 0145 1 PADDED_TO_COUNTED1 (%EXPLODE (NAME))
103 M 0146 1 %,
104 M 0147 1
105 M 0148 1 PADDED_TO_COUNTED1 (C1, C2, C3, C4, C5) =
106 M 0149 1 PADDED_TO_COUNTED2 (%STRING ('ONF$$', %REMAINING),
107 M 0150 1 %STRING ('ONF$', C5, %REMAINING),
108 M 0151 1 %STRING ('NAF$$', %REMAINING),
109 M 0152 1 %STRING ('NAF$', C5, %REMAINING))
110 M 0153 1 %,
111 M 0154 1
112 M 0155 1 PADDED_TO_COUNTED2 (OLENGTH, ONAME, NLENGTH, NNAME) =
113 M 0156 1 BEGIN
114 M 0157 1 LOCAL COUNT, P : REF VECTOR [,BYTE];
```



```
115 M 0158 1 P = ONFBUF[%NAME (ONAME)] + %NAME (OLENGTH);
116 M 0159 1 UNTIL .P[-1] NEQ ;
117 M 0160 1 OR .P LEQA ONFBUF[%NAME (ONAME)]
118 M 0161 1 DO P = .P - 1;
119 M 0162 1 COUNT = .P - ONFBUF[%NAME (ONAME)];
120 M 0163 1 VECTOR [NAFBUF[%NAME (NNAME)], 0; , BYTE] = .COUNT;
121 M 0164 1 CH$COPY (, COUNT, ONFBUF[%NAME (ONAME)],
122 M 0165 1 %NAME (NLENGTH)-1, NAFBUF[%NAME (NNAME)]+1)
123 M 0166 1
124 M 0167 1 END
125 M 0168 1 %;
126 M 0169 1
127 M 0170 1 EXTERNAL ROUTINE
128 M 0171 1 LIB$PUT_OUTPUT : ADDRESSING_MODE (GENERAL);
129 M 0172 1
130 M 0173 1 OWN
131 M 0174 1 NAFBUF: BLOCK[NAF$C_LENGTH, BYTE],
132 M 0175 1 ONFBUF: BLOCK[ONF$C_LENGTH, BYTE],
133 M 0176 1
134 P 0177 1 NAFKEY1: $XABKEY ( ! XAB for UIC key
135 P 0178 1 KREF = 1, ! alternate key
136 P 0179 1 POSO = $BYTEOFFSET (NAF$T_LOCALUSER),
137 P 0180 1 SIZO = NAF$S_LOCALUSER,
138 P 0181 1 FLG = (CHG, DUP),
139 P 0182 1 KNM = UPLIT BYTE ('Local Username '),
140 M 0183 1 ),
141 M 0184 1
142 P 0185 1 NAFKEY0: $XABKEY ( ! XAB for USERNAME key
143 P 0186 1 KREF = 0, ! primary key
144 P 0187 1 POSO = $BYTEOFFSET (NAF$T_REMNAME),
145 P 0188 1 SIZO = NAF$S_REMNAME,
146 P 0189 1 KNM = UPLIT BYTE ('Remote Node Name and Username '),
147 P 0190 1 NXT = NAFKEY1
148 M 0191 1 ),
149 M 0192 1
150 P 0193 1 NAFALL: $XABALL ( ! XAB for NAF allocation
151 P 0194 1 AOP = CBT,
152 P 0195 1 BKZ = 4,
153 P 0196 1 NXT = NAFKEY0
154 M 0197 1 ),
155 M 0198 1
156 P 0199 1 NAFPRO: $XABPRO ( ! XAB for file protection
157 P 0200 1 PRO = (RWED, RWED, RWE,), ! deny world access
158 P 0201 1 NXT = NAFALL
159 M 0202 1 ),
160 M 0203 1
161 P 0204 1 NAFFAB: $FAB ( ! FAB for work file
162 P 0205 1 FAC = PUT, ! access types
163 P 0206 1 FNM = 'NEWNAF', ! temporary file name
164 P 0207 1 DNM = '.DAT',
165 P 0208 1 SHR = NIL,
166 P 0209 1 ORG = IDX, ! indexed operations
167 P 0210 1 RFM = FIX,
168 P 0211 1 MRS = NAF$C_LENGTH, ! maximum record size
169 P 0212 1 XAB = NAFPRO ! file protection XAB
170 M 0213 1 ),
171 M 0214 1
```



```
: 172 P 0215 1 NAFRAB: $RAB ( ! RAB for temporary file
: 173 P 0216 1 RSZ = NAF$C_LENGTH,
: 174 P 0217 1 RBF = NAFBUF,
: 175 P 0218 1 FAB = NAFFAB
: 176 P 0219 1 ),
: 177 P 0220 1
: 178 P 0221 1 ONFKEY1: $XABKEY ( ! XAB to read old NAF key
: 179 P 0222 1 KREF = 1
: 180 P 0223 1 ),
: 181 P 0224 1
: 182 P 0225 1 ONFKEY0: $XABKEY ( ! XAB to read old NAF key
: 183 P 0226 1 KREF = 0,
: 184 P 0227 1 NXT = ONFKEY1
: 185 P 0228 1 ),
: 186 P 0229 1
: 187 P 0230 1 ONFFAB: $FAB ( ! FAB for old NAF file
: 188 P 0231 1 FAC = GET, ! read only
: 189 P 0232 1 FNM = 'OLDNAF',
: 190 P 0233 1 DNM = '.DAT',
: 191 P 0234 1 XAB = ONFKEY0
: 192 P 0235 1 ),
: 193 P 0236 1
: 194 P 0237 1 ONFRAB: $RAB ( ! RAB for old NAF
: 195 P 0238 1 RAC = SEQ, ! key of reference
: 196 P 0239 1 KRF = 0,
: 197 P 0240 1 UBF = ONFBUF,
: 198 P 0241 1 USZ = ONF$C_LENGTH,
: 199 P 0242 1 FAB = ONFFAB
: 200 P 0243 1 );
: 201 P 0244 1
: 202 P 0245 1 ROUTINE MAIN =
: 203 P 0246 2 BEGIN
: 204 P 0247 2
: 205 P 0248 2 LOCAL
: 206 P 0249 2 RMSERR;
: 207 P 0250 2
: 208 P 0251 2 !
: 209 P 0252 2 ! Open the old NAF for input
: 210 P 0253 2 !
: 211 P 0254 2 RETURN_IF_ERROR ($OPEN (FAB = ONFFAB));
: 212 P 0255 2 RETURN_IF_ERROR ($CONNECT (RAB = ONFRAB));
: 213 P 0256 2 !
: 214 P 0257 2 ! Validate the keys of the NAF, checking if it is a new format,
: 215 P 0258 2 ! and then for old format validity.
: 216 P 0259 2 !
: 217 P 0260 2 IF .ONFKEY0[XAB$W_POS0] EQL $BYTEOFFSET (NAF$T_REMNAME)
: 218 P 0261 2 AND .ONFKEY0[XAB$B_SIZ0] EQL NAF$S_REMNAME
: 219 P 0262 2 AND .ONFKEY1[XAB$W_POS0] EQL $BYTEOFFSET (NAF$T_LOCALUSER)
: 220 P 0263 2 AND .ONFKEY1[XAB$B_SIZ0] EQL NAF$S_LOCALUSER
: 221 P 0264 2 THEN
: 222 P 0265 3 BEGIN
: 223 P 0266 3 LIB$PUT_OUTPUT ($DESCRIPTOR ('Proxy file is already converted'));
: 224 P 0267 3 RETURN ST$M_INHIB_MSG;
: 225 P 0268 2 END;
: 226 P 0269 2 IF .ONFKEY0[XAB$W_POS0] NEQ $BYTEOFFSET (ONF$T_REMNAME)
: 227 P 0270 2 OR .ONFKEY0[XAB$B_SIZ0] NEQ ONF$S_REMNAME
: 228 P 0271 2 OR .ONFKEY1[XAB$W_POS0] NEQ $BYTEOFFSET (ONF$T_LOCALUSER)
```



```
0272 2 OR .ONFKEY1[XAB$B_SIZE] NEQ ONF$S_LOCALUSER
0273 2 THEN
0274 2 BEGIN
0275 2 LIB$PUT OUTPUT ($DESCRIPTOR ('Proxy file has invalid format'));
0276 2 RETURN ST$M_INHIB_MSG;
0277 2 END;
0278 2
0279 2 Create the new NAF.
0280 2
0281 2 NAFALL[XAB$L_ALQ] = .ONFFAB[FAB$L_ALQ] / 2 + .ONFFAB[FAB$L_ALQ];
0282 2 RETURN_IF_ERROR ($CREATE (FAB = NAFFAB));
0283 2 RETURN_IF_ERROR ($CONNECT (RAB = NAFRAB));
0284 2
0285 2 WHILE (RMSERR = $GET (RAB = ONFRAB))
0286 2 DO
0287 2 BEGIN
0288 2 CH$FILL (0, NAF$C_LENGTH, NAFBUF);
0289 2 COPY_PADDED ('NAF$T_NODE');
0290 2 COPY_PADDED ('NAF$T_REMUSER');
0291 2 COPY_PADDED ('NAF$T_LOCALUSER');
0292 2 RETURN_IF_ERROR ($PUT (RAB = NAFRAB));
0293 2 END;
0294 2 IF .RMSERR NEQ RM$S_EOF THEN RETURN .RMSERR;
0295 2 RETURN_IF_ERROR ($CLOSE (FAB = NAFFAB));
0296 2 $CLOSE (FAB = ONFFAB)
0297 1 END;
```

```
.TITLE CVTNAF Convert Network Proxy File
.IDENT \V04-000\

.PSECT $SPLITS,NOWRT,NOEXE,2

20 65 6D 61 6E 72 65 73 55 20 6C 61 63 6F 4C 00000 P.AAA: .ASCII \Local Username \
20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 0000F
6D 61 4E 20 65 64 6F 4E 20 65 74 6F 6D 65 52 00020 P.AAB: .ASCII \Remote Node Name and Username \
20 65 6D 61 6E 72 65 73 55 20 64 6E 61 20 65 0002F
46 41 4E 57 45 4E 00040 P.AAC: .ASCII \NEWNAF\
54 41 44 2E 00046 P.AAD: .ASCII \.DAT\
46 41 4E 44 4C 4F 0004A P.AAE: .ASCII \OLDNAF\
54 41 44 2E 00050 P.AAF: .ASCII \.DAT\
61 20 73 69 20 65 6C 69 66 20 79 78 6F 72 50 00054 P.AAH: .ASCII \Proxy file is already converted\
65 74 72 65 76 6E 6F 63 20 79 64 61 65 72 6C 00063
64 00072
00073
0000001F 00074 P.AAG: .BLKB 1
00000000 00078 P.AAJ: .LONG 31
20 73 61 68 20 65 6C 69 66 20 79 78 6F 72 50 0007C P.AAJ: .ADDRESS P.AAH
74 61 6D 72 6F 66 20 64 69 6C 61 76 6E 69 0008B
00099
0000001D 0009C P.AAI: .BLKB 3
00000000 000A0 P.AAI: .LONG 29
ADDRESS P.AAJ

.PSECT $OWNS,NOEXE,2
```



```
00000 NAFBUF: .BLKB 100
00064 ONFBUF: .BLKB 30
00082 .BLKB 2
15 00084 NAFKEY1: .BYTE 21
4C 00085 .BYTE 76
0000 00086 .WORD 0
00000000 00088 .LONG 0
00 0008C .BYTE 0
00 0008D .BYTE 0
00 0008E .BYTE 0
00 0008F .BYTE 0
00 00090 .BYTE 0
00 00091 .BYTE 0
00000000 00092 .LONG 0
03 00096 .BYTE 3
00 00097 .BYTE 0
00 00098 .BYTE 0
00 00099 .BYTE 0
00 0009A .BYTE 0
01 0009B .BYTE 1
0000 0009C .WORD 0
0000 0009E .WORD 0
0000 000A0 .WORD 0
0040 000A2 .WORD 64
0000 000A4 .WORD 0
0000 000A6 .WORD 0
0000 000A8 .WORD 0
0000 000AA .WORD 0
0000 000AC .WORD 0
0000 000AE .WORD 0
0000 000B0 .WORD 0
20 000B2 .BYTE 32
00 000B3 .BYTE 0
00 000B4 .BYTE 0
00 000B5 .BYTE 0
00 000B6 .BYTE 0
00 000B7 .BYTE 0
00 000B8 .BYTE 0
00 000B9 .BYTE 0
0000 000BA .WORD 0
00000000* 000BC .ADDRESS P.AAA
00000000 000C0 .LONG 0
00 000C4 .BYTE 0
00 000C5 .BYTE 0
00 000C6 .BYTE 0
00 000C7 .BYTE 0
00 000C8 .BYTE 0
00 000C9 .BYTE 0
00 000CA .BYTE 0
00 000CB .BYTE 0
00 000CC .BYTE 0
00 000CD .BYTE 0
00CE .BLKB 2
15 000D0 NAFKEY0: .BYTE 21
4C 000D1 .BYTE 76
0000 000D2 .WORD 0
C0000000* 000D4 .ADDRESS NAFKEY1
```


00	000D8	.BYTE	0
00	000D9	.BYTE	0
00	000DA	.BYTE	0
00	000DB	.BYTE	0
00	000DC	.BYTE	0
00	000DD	.BYTE	0
00000000	000DE	.LONG	0
00	000E2	.BYTE	0
00	000E3	.BYTE	0
00	000E4	.BYTE	0
00	000E5	.BYTE	0
00	000E6	.BYTE	0
00	000E7	.BYTE	0
0000	000E8	.WORD	0
0000	000EA	.WORD	0
0000	000EC	.WORD	0
0000	000EE	.WORD	0
0000	000F0	.WORD	0
0000	000F2	.WORD	0
0000	000F4	.WORD	0
0000	000F6	.WORD	0
0000	000F8	.WORD	0
0000	000FA	.WORD	0
0000	000FC	.WORD	0
40	000FE	.BYTE	64
00	000FF	.BYTE	0
00	00100	.BYTE	0
00	00101	.BYTE	0
00	00102	.BYTE	0
00	00103	.BYTE	0
00	00104	.BYTE	0
00	00105	.BYTE	0
0000	00106	.WORD	0
00000000	00108	.ADDRESS P.AAB	0
00000000	0010C	.LONG	0
00	00110	.BYTE	0
00	00111	.BYTE	0
00	00112	.BYTE	0
00	00113	.BYTE	0
00	00114	.BYTE	0
00	00115	.BYTE	0
00	00116	.BYTE	0
00	00117	.BYTE	0
00	00118	.BYTE	0
00	00119	.BYTE	0
	0011A	.BLKB	2
14	0011C	.BYTE	20
20	0011D	.BYTE	32
0000	0011E	.WORD	0
00000000	00120	.ADDRESS NAFKEY0	0
20	00124	.BYTE	32
00	00125	.BYTE	0
0000	00126	.WORD	0
00000000	00128	.LONG	0
00000000	0012C	.LONG	0
0000	00130	.WORD	0
04	00132	.BYTE	4

NAFALL:

0000	0000	0000	00133	.BYTE	0	
		0000	00134	.WORD	0, 0, 0	
		0000	0013A	.WORD	0	
		13	0013C	NAFPRO: .BYTE	19	
		58	0013D	.BYTE	88	
		0000	0013E	.WORD	0	
		00000000	00140	.ADDRESS	NAFALL	
		F800	00144	.WORD	-2048	
		00	00146	.BYTE	0	
		00	00147	.BYTE	0	
0000	0000	0000	00148	.WORD	0, 0	
		00	0014C	.BYTE	0	
		00	0014D	.BYTE	0	
		0000	0014E	.WORD	0	
		00000000	00150	.LONG	0	
		00000000	00154	.LONG	0	
		0000	00158	.WORD	0	
		0000	0015A	.WORD	0	
		00000000	0015C	.LONG	0	
		00000000	00160	.LONG	0	
			00164	.BLKB	48	
		03	00194	NAFFAB: .BYTE	3	
		50	00195	.BYTE	80	
		0000	00196	.WORD	0	
		00000000	00198	.LONG	0	
		00000000	0019C	.LONG	0	
		00000000	001A0	.LONG	0	
		00000000	001A4	.LONG	0	
		0000	001A8	.WORD	0	
		01	001AA	.BYTE	1	
		20	001AB	.BYTE	32	
		00000000	001AC	.LONG	0	
		00	001B0	.BYTE	0	
		20	001B1	.BYTE	32	
		00	001B2	.BYTE	0	
		01	001B3	.BYTE	1	
		00000000	001B4	.LONG	0	
		00000000	001B8	.ADDRESS	NAFPRO	
		00000000	001BC	.LONG	0	
		00000000	001C0	.ADDRESS	P.AAC	
		00000000	001C4	.ADDRESS	P.AAD	
		06	001C8	.BYTE	6	
		04	001C9	.BYTE	4	
		0064	001CA	.WORD	100	
		00000000	001CC	.LONG	0	
		0000	001D0	.WORD	0	
		00	001D2	.BYTE	0	
		00	001D3	.BYTE	0	
		00000000	001D4	.LONG	0	
		00000000	001D8	.LONG	0	
		0000	001DC	.WORD	0	
		00	001DE	.BYTE	0	
		00	001DF	.BYTE	0	
		00000000	001E0	.LONG	0	
		01	001E4	NAFRAB: .BYTE	1	
		44	001E5	.BYTE	68	
		0000	001E6	.WORD	0	

00000000	001E8	.LONG	0
00000000	001EC	.LONG	0
00000000	001F0	.LONG	0
0000#	001F4	.WORD	0[3]
0000	001FA	.WORD	0
00000000	001FC	.LONG	0
0000	00200	.WORD	0
00	00202	.BYTE	0
00	00203	.BYTE	0
0000	00204	.WORD	0
0064	00206	.WORD	100
00000000	00208	.LONG	0
00000000	0020C	.ADDRESS	NAFBUF
00000000	00210	.LONG	0
00000000	00214	.LONG	0
00	00218	.BYTE	0
00	00219	.BYTE	0
00	0021A	.BYTE	0
00	0021B	.BYTE	0
00000000	0021C	.LONG	0
00000000	00220	.ADDRESS	NAFFAB
00000000	00224	.LONG	0
15	00228	.BYTE	21
4C	00229	.BYTE	76
0000	0022A	.WORD	0
00000000	0022C	.LONG	0
00	00230	.BYTE	0
00	00231	.BYTE	0
00	00232	.BYTE	0
00	00233	.BYTE	0
00	00234	.BYTE	0
00	00235	.BYTE	0
00000000	00236	.LONG	0
00	0023A	.BYTE	0
00	0023B	.BYTE	0
00	0023C	.BYTE	0
00	0023D	.BYTE	0
00	0023E	.BYTE	0
01	0023F	.BYTE	1
0000	00240	.WORD	0
0000	00242	.WORD	0
0000	00244	.WORD	0
0000	00246	.WORD	0
0000	00248	.WORD	0
0000	0024A	.WORD	0
0000	0024C	.WORD	0
0000	0024E	.WORD	0
0000	00250	.WORD	0
0000	00252	.WORD	0
0000	00254	.WORD	0
00	00256	.BYTE	0
00	00257	.BYTE	0
00	00258	.BYTE	0
00	00259	.BYTE	0
00	0025A	.BYTE	0
00	0025B	.BYTE	0
00	0025C	.BYTE	0

ONFKEY1:

00	0025D	.BYTE	0
0000	0025E	.WORD	0
00000000	00260	.LONG	0
00000000	00264	.LONG	0
00	00268	.BYTE	0
00	00269	.BYTE	0
00	0026A	.BYTE	0
00	0026B	.BYTE	0
00	0026C	.BYTE	0
00	0026D	.BYTE	0
00	0026E	.BYTE	0
00	0026F	.BYTE	0
00	00270	.BYTE	0
00	00271	.BYTE	0
00	00272	.BLKB	2
15	00274	ONFKEY0: .BYTE	21
4C	00275	.BYTE	76
0000	00276	.WORD	0
00000000	00278	.ADDRESS ONFKEY1	0
00	0027C	.BYTE	0
00	0027D	.BYTE	0
00	0027E	.BYTE	0
00	0027F	.BYTE	0
00	00280	.BYTE	0
00	00281	.BYTE	0
00000000	00282	.LONG	0
00	00286	.BYTE	0
00	00287	.BYTE	0
00	00288	.BYTE	0
00	00289	.BYTE	0
00	0028A	.BYTE	0
00	0028B	.BYTE	0
0000	0028C	.WORD	0
0000	0028E	.WORD	0
0000	00290	.WORD	0
0000	00292	.WORD	0
0000	00294	.WORD	0
0000	00296	.WORD	0
0000	00298	.WORD	0
0000	0029A	.WORD	0
0000	0029C	.WORD	0
0000	0029E	.WORD	0
0000	002A0	.WORD	0
00	002A2	.BYTE	0
00	002A3	.BYTE	0
00	002A4	.BYTE	0
00	002A5	.BYTE	0
00	002A6	.BYTE	0
00	002A7	.BYTE	0
00	002A8	.BYTE	0
00	002A9	.BYTE	0
0000	002AA	.WORD	0
00000000	002AC	.LONG	0
00000000	002B0	.LONG	0
00	002B4	.BYTE	0
00	002B5	.BYTE	0
00	002B6	.BYTE	0

00	002B7	.BYTE	0
00	002B8	.BYTE	0
00	002B9	.BYTE	0
00	002BA	.BYTE	0
00	002BB	.BYTE	0
00	002BC	.BYTE	0
00	002BD	.BYTE	0
	002BE	.BLKB	2
03	002C0	ONFFAB: .BYTE	3
50	002C1	.BYTE	80
0000	002C2	.WORD	0
00000000	002C4	.LONG	0
00000000	002C8	.LONG	0
00000000	002CC	.LONG	0
00000000	002D0	.LONG	0
0000	002D4	.WORD	0
02	002D6	.BYTE	2
00	002D7	.BYTE	0
00000000	002D8	.LONG	0
00	002DC	.BYTE	0
00	002DD	.BYTE	0
00	002DE	.BYTE	0
02	002DF	.BYTE	2
00000000	002E0	.LONG	0
00000000	002E4	.ADDRESS ONFKEY0	0
00000000	002E8	.LONG	0
00000000	002EC	.ADDRESS P.AAE	
00000000	002F0	.ADDRESS P.AAF	
06	002F4	.BYTE	6
04	002F5	.BYTE	4
0000	002F6	.WORD	0
00000000	002F8	.LONG	0
0000	002FC	.WORD	0
00	002FE	.BYTE	0
00	002FF	.BYTE	0
00000000	00300	.LONG	0
00000000	00304	.LONG	0
0000	00308	.WORD	0
00	0030A	.BYTE	0
00	0030B	.BYTE	0
00000000	0030C	.LONG	0
01	00310	ONFRAB: .BYTE	1
44	00311	.BYTE	68
0000	00312	.WORD	0
00000000	00314	.LONG	0
00000000	00318	.LONG	0
00000000	0031C	.LONG	0
0000#	00320	.WORD	0[3]
0000	00326	.WORD	0
00000000	00328	.LONG	0
0000	0032C	.WORD	0
00	0032E	.BYTE	0
00	0032F	.BYTE	0
001E	00330	.WORD	30
0000	00332	.WORD	0
00000000	00334	.ADDRESS ONFBUF	
00000000	00338	.LONG	0

			00000000	0033C	.LONG	0		
			00000000	00340	.LONG	0		
				00	00344	.BYTE	0	
				00	00345	.BYTE	0	
				00	00346	.BYTE	0	
				00	00347	.BYTE	0	
			00000000	00348	.LONG	0		
			00000000	0034C	.ADDRESS	ONFFAB		
			00000000	00350	.LONG	0		
					.EXTRN	LIB\$PUT, OUTPUT, SYSS\$OPEN		
					.EXTRN	SYSS\$CONNECT, SYSS\$CREATE		
					.EXTRN	SYSS\$GET, SYSS\$PUT		
					.EXTRN	SYSS\$CLOSE		
					.PSECT	\$CODE\$,NOWRT,2		
			03FC	00000	MAIN:	.WORD	Save R2,R3,R4,R5,R6,R7,R8,R9	0245
59	00000000G	00	9E	00002	MOVAB	SYSS\$CLOSE, R9		
58	00000000G	00	9E	00009	MOVAB	SYSS\$CONNECT, R8		
57	0000	CF	9E	00010	MOVAB	ONFFAB, R7		
		57	DD	00015	PUSHL	R7		0254
00000000G	00	01	FB	00017	CALLS	#1, SYSS\$OPEN		
6A		50	E9	0001E	BLBC	RMSERR, 5\$		
	50	A7	9F	00021	PUSHAB	ONFRAB		0255
68		01	FB	00024	CALLS	#1, SYSS\$CONNECT		
61		50	E9	00027	BLBC	RMSERR, 5\$		
	D2	A7	B5	0002A	TSTW	ONFKEY0+30		0260
		1B	12	0002D	BNEQ	1\$		
40	8F	E2	A7	0002F	CMPB	ONFKEY0+46, #64		0261
		14	12	00034	BNEQ	1\$		
0040	8F	86	A7	00036	CMPW	ONFKEY1+30, #64		0262
		0C	12	0003C	BNEQ	1\$		
20		96	A7	0003E	CMPB	ONFKEY1+46, #32		0263
		06	12	00042	BNEQ	1\$		
	0000	CF	9F	00044	PUSHAB	P.AAG		0266
		1B	11	00048	BRB	3\$		
	D2	A7	B5	0004A	TSTW	ONFKEY0+30		0269
		12	12	0004D	BNEQ	2\$		
12		E2	A7	0004F	CMPB	ONFKEY0+46, #18		0270
		0C	12	00053	BNEQ	2\$		
12		86	A7	00055	CMPW	ONFKEY1+30, #18		0271
		06	12	00059	BNEQ	2\$		
0C		96	A7	0005B	CMPB	ONFKEY1+46, #12		0272
		13	13	0005F	BEQL	4\$		
	0000	CF	9F	00061	PUSHAB	P.AAI		0275
00000000G	00	01	FB	00065	CALLS	#1, LIB\$PUT, OUTPUT		
50	10000000	8F	D0	0006C	MOVL	#268435456, -R0		0276
		04	00	00073	RET			
50	10	A7	02	C7	DIVL3	#2, ONFFAB+16, R0		0281
	FE6C	C7	740	9E	MOVAB	@ONFFAB+16[R0], NAFALL+16		
		FED4	C7	9F	MOVAB	NAFFAB		0282
00000000G	00	01	FB	00084	CALLS	#1, SYSS\$CREATE		
	6C	50	E9	0008B	BLBC	RMSERR, 10\$		
		C7	9F	0008E	PUSHAB	NAFRAB		0283
68		FF24	01	FB	CALLS	#1, SYSS\$CONNECT		
			43	11	BRB	7\$		

0064	8F	00	00000000G	00	50	A7	9F	00097	6\$:	PUSHAB	ONFRAB	0285
				56		01	FB	0009A		CALLS	#1, SYSS\$GET	
				37		50	D0	000A1		MOVL	R0, RMSERR	
				6E		56	E9	000A4		BLBC	RMSERR, 8\$	
					FD40	00	2C	000A7		MOVC5	#0, (SP), #0, #100, NAFBUF	0288
	20	20	FDA4	C7		C7		000AE				
					FD40	06	2C	000B1		MOVC5	#6, ONFBUF, #32, #32, NAFBUF	0289
	20	20	FDA4	C7		C7		000B8				
					FD60	0C	2C	000BB		MOVC5	#12, ONFBUF+6, #32, #32, NAFBUF+32	0290
	20	20	FDB6	C7		C7		000C2				
					FD80	0C	2C	000C5		MOVC5	#12, ONFBUF+18, #32, #32, NAFBUF+64	0291
					FF24	C7		000CC				
			00000000G	00		C7	9F	000CF		PUSHAB	NAFRAB	0292
				BA		01	FB	000D3		CALLS	#1, SYSS\$PUT	
			0001827A	8F		50	E8	000DA	7\$:	BLBS	RMSERR, 6\$	
							04	000DD		RET		
						56	D1	000DE	8\$:	CMPL	RMSERR, #98938	0294
						04	13	000E5		BEQL	9\$	
				50		56	D0	000E7		MOVL	RMSERR, R0	
					FED4	04		000EA		RET		
				69		C7	9F	000EB	9\$:	PUSHAB	NAFFAB	0295
				05		01	FB	000EF		CALLS	#1, SYSS\$CLOSE	
						50	E9	000F2		BLBC	RMSERR, 10\$	
						57	DD	000F5		PUSHL	R7	0296
				69		01	FB	000F7		CALLS	#1, SYSS\$CLOSE	
							04	000FA	10\$:	RET		0297

; Routine Size: 251 bytes, Routine Base: \$CODE\$ + 0000

:	255	0298	1
:	256	0299	1 END
:	257	0300	0 ELUDOM

F3ECT SUMMARY

Name	Bytes	Attributes
\$OWNS	852	NOVEC, WRT, RD, NOEXE, NOSHR, LCL, REL, CON, NOPIC, ALIGN(2)
\$PLITS	164	NOVEC, NOWRT, RD, NOEXE, NOSHR, LCL, REL, CON, NOPIC, ALIGN(2)
\$CODE\$	251	NOVEC, NOWRT, RD, EXE, NOSHR, LCL, REL, CON, NOPIC, ALIGN(2)

Library Statistics

File	Total	Symbols Loaded	Percent	Pages Mapped	Processing Time
_\$255\$DUA28:[SYSLIB]LIB.L32;1	18619	77	0	1000	00:01.9

CVTNAF
V04-000

Convert Network Proxy File

M 14
16-Sep-1984 02:14:17
14-Sep-1984 13:21:08

VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[UAF.SRC]CVTNAF.B32;1 Page 14
(1)

COMMAND QUALIFIERS

BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/LIS=LISS:CVTNAF/OBJ=OBJ\$:CVTNAF MSRC\$:CVTNAF/UPDATE=(ENHS:CVTNAF)

: Size: 251 code + 1016 data bytes
: Run Time: 00:17.3
: Elapsed Time: 00:44.7
: Lines/CPU Min: 1039
: Lexemes/CPU-Min: 44979
: Memory Used: 173 pages
: Compilation Complete

0405 AH-BT13A-SE
VAX/VMS V4.0

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